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ERRATUM

Erratum to: A thermodynamic model for di-trioctahedral chlorite from experimental and natural data in the system $MgO–FeO–Al_2O_3–SiO_2–H_2O$: applications to *P–T* sections and geothermometry

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Due to an unfortunate error, the equations [Eq. (25) on page 4, Eq. (35) on page 9, Eq. (37) on page 10 and Eqs. (38)–(40) on page 11] were published incorrectly. The correct version of equations is given below.

The ideal contribution to the activity of sudoite is

$$a_{\text{sud}} = 64\left(x_{\text{Al}}^{\text{M23}}\right)^2\left(x_{\text{Mg}}^{\text{M23}}\right)^2 x_{\text{Va}}^{\text{M1}}\, x_{\text{Al}}^{\text{T2}}\, x_{\text{Si}}^{\text{T2}} \tag{25}$$

The equilibrium constant expression

$$-\ln(k) = \frac{\Delta H^0 + (P-1)\Delta V^0}{RT} - \frac{\Delta S^0}{R} \tag{35}$$

Geothermometer Chl(1): ($\Sigma\text{Fe} = \text{Fe}^{2+} + \text{Fe}^{3+}$)

$$-\ln(k) = \frac{172341}{RT} - \frac{315.149}{R} \tag{37}$$

$$T_{\text{Chlorite}}\,(^\circ\text{C}) = \frac{172341}{-R\ln(K) + 315.149} - 273.15 \tag{38}$$

Geothermometer Chl(2): ($\Sigma\text{Fe} = \text{Fe}^{2+}$)

$$-\ln(k) = \frac{203093 + 4996.99P}{RT} - \frac{455.782}{R} \tag{39}$$

$$T_{\text{Chlorite}}(^\circ\text{C}) = \frac{203093 + 4996.99P\ (\text{kbar})}{-R\ln(K) + 455.782} - 273.15 \tag{40}$$

The online version of the original article can be found under doi:10.1007/s00410-014-0968-8.

Electronic supplementary material The online version of this article (doi:10.1007/s00410-014-1039-x) contains supplementary material, which is available to authorized users.

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